

National

February 4 - 6, 2003 **Seminar**

Implementation and Strategic Plan



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Implementation and Strategic Plan















Presentation Theme

"If you want to make history, create the future"



Bruce Chizen President and CEO Adobe Systems Incorporated











Presentation Outline

- Introduction
- Challenge to Participants for Breakout Sessions



- Framework for Conducting the Breakout Sessions
- Conclusions and Recommendations
- Presentation Format
- Problem Statement Format











Introduction

- Best Practices
 - Hugh effort expended to mitigate moisture damage to flexible pavements
 - Many different approaches
- First goal of the seminar identify what works NOW! so we can mitigate
 - Test methods, specs, protocols









Existing Test Procedures



















Introduction (cont.)

- Knowledge gaps and barriers
 - Current research projects to understand
 - Chemistry
 - Improve existing procedures
 - Develop improved procedures and methods
 - Correlate field to lab
 - Existing procedures may not work!
- Second goal of seminar-identify what we don't know?











Introduction (cont.)

- Research Needs
 - A number of groups have solicited problem statements
 - Funding constraints
- Third goal of seminar-identify what we need to know
- Forth goal-problem statements and strategies for elimination of the problem











Challenge to Participants – Expectations for Sessions





- NCHRP 192, 246, 274, 373
- 4 different methods currently used
- No universal method accepted











Challenge to Participants – Expectations for Sessions





- Can a strategic (roadmap) be developed?
 - Most effective approach?
 - Plan should be outcome driven
 - Well designed experimental plan











Challenge to Participants – Expectations for Sessions

- Several challenges
 - If the answer is yes to both questions-
 - Breakout groups will-
 - Discuss issues
 - Debate pros and cons
 - Reach a consensus
 - Prepare plan(roadmap) to solve problem











- Be proactive and participate
 - We need the best ideas!
 - Come prepared
 - Offer your opinion

















- Use strategies from other industries
- Non-traditional approaches need to be explored















- Essential component of sessions
- Can arrive at best ideas only if all ideas are on the table















- Be a team player!
- Listen to all ideas
- Agree on a plan of attack













- Goals provide a "milepost", keep us on target
- Provide a measurement tool
- Need to understand fundamentals
- Use the KISS principal where appropriate











Conduct of Breakout Sessions

- Four concurrent sessions
 - Fundamentals
 - Testing and Treatments
 - Design and Specifications
 - Construction and Field Performance













Conduct of Breakout Sessions

- Expectations
 - Identify best practices
 - Identify gaps in knowledge
 - Identify research needs
 - Prepare plan (roadmap) for the future











Conduct of Breakout Sessions

- Expectations
 - Each will be different in style
 - Output will be in same format for final summary











Conduct of Breakout Sessions

- Specific Questions
 - Discussed in earlier presentation
 - Focus discussion
 - Not all inclusive
 - Efficient use of time











Fundamentals

Mechanisms causing moisture related distress?



- Procedures to identify moisture sensitive aggregates and binders?
- Gaps?
- What do we need to know?











Testing & Treatments

Best current test method to identify problem?



- Are refinements still needed?
- How effective are additives?
- How do they impact pavement life?
- What do we need to know?











Design (mix and pavement) & Specs

- What procedures work?
- What spec items to control?
- All factors being considered?- if not, what else to consider?











Construction & Field Performance

How do we separate distress from construction problems?



- What construction issues need to be controlled?
- What works and what doesn't?
- How do we make better decisions?
- Permeability?











Conclusion & Recommendations

- Summary of Breakout Sessions
 - Each facilitator will summarize session
 - Note takers will be available
 - Standardized format











Conclusion & Recommendations

- Strategic Plan (Roadmap)
 - Project team will develop
 - Directed to FHWA, TRB, NCHRP, AASHTO
 - Circular on Best Practices
 - Guidelines, Technical Advisory
 - Research problem statements











Conclusion & Recommendations

- Strategic Plan (Roadmap)
 - Introduction
 - **Objective and goals**
 - Organization of seminar
 - Findings of breakout sessions
 - Identify and prioritize needs
 - Timeline
 - **Conclusions**











National Seminar on Moisture Sensitivity of Asphalt Pavements



Breakout Session 1

Fundamentals











National Seminar on Moisture Sensitivity of Asphalt Pavements

Breakout Session1: Fundamentals

Identify Best Practices



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Breakout Workshop 1: Fundamentals

Identify Gaps and Barriers



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National Seminar on Moisture Sensitivity of **Asphalt Pavements**

Breakout Session 1: Fundamentals

Identify Research Needs



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Breakout Session 1: Fundamentals

Elements of a Strategic Plan



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Research Problem Statement Format

- TRB Division A Leadership Guide
 - www.trb.org











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